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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,086	08/20/2003	Ishay Rabinowitz	25646	4960

7590 11/10/2005

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EXAMINER

HWU, DAVIS D

ART UNIT PAPER NUMBER

3752

DATE MAILED: 11/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/644,086

Applicant(s)

RABINOWITZ, ISHAY

Examiner

Davis D. Hwu

Art Unit

3752

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,6,8-15 and 21-23 is/are rejected.
- 7) ☒ Claim(s) 3,5,7,8/7,11,12/7 and 16-20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/17/05

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Response to Amendment

1. Applicant's amendment and arguments of October 17, 2005 are acknowledged and entered.
2. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.
3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1, 2, 4, 6, 8, 10, 12-15, and 21-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bright, Sr.

Bright, Sr. discloses a pipe 10 connectable to a pressurized fluid source via a first end of the pipe, the pipe comprising a drip-irrigation plug emitter 12 mounted integrally therein, the plug emitter having an inlet in fluid communication with the first end of the pipe, a drip outlet in fluid communication with a second end of the pipe, and a flow-restricting path therebetween, the emitter plugging the pipe with respect to any fluid flow except for the flow through the flow-restricting path. Bright, Sr. also discloses a process of extruding the pipe and installing the emitters onto the extruded pipe. It would have been obvious to one having ordinary skill in the art at the time the invention was made to mount the emitter to the pipe during the extrusion process of the pipe through the teaching of Bright, Sr. Cutting a continuous long pipe into a plurality of sections as recited in claim 2 is an obvious matter in the design process in order to provide a plurality of emitters. Regarding claim 4, the plug emitter would form a swelling at the

outer surface of the pipe upon installation because the pipe is deformable and the aperture of the pipe is smaller than the stem of the emitter which fits into the aperture.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bright, Sr. in view of Dumitrascu et al.

Dumitrascu et al. teaches a drip irrigation tube comprising drip emitters 12 having a flow restricting path formed as a flow labyrinth to reduce the flow rate and pressure of the water discharged. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the emitter of Bright, Sr. by providing a flow restricting path formed as a flow labyrinth as taught by Dumitrascu et al. to reduce the flow rate and pressure of the water being discharged.

6. Claims 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bright, Sr. in view of Dumitrascu et al. as applied to claim 8 above, and further in view of Hunter.

Hunter teaches a drip irrigation system comprising a filter 116 in the flow passageway to filter out particles and prevent clogging. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the device of Bright, Sr. and Dumitrascu et al by incorporating a filter means upstream of the flow labyrinth as taught by Hunter to filter out particles before they enter and clog the labyrinth. Regarding claim 11, it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art.

Allowable Subject Matter

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7. Claims 3, 5, 7, 8/7, 11, 12/7, 16-19, and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis D. Hwu whose telephone number is 571-272-4904. The examiner can normally be reached on 8:00-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Scherbel can be reached on 571-272-4919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Davis Hwu


DAVIS HWU
PATENT EXAMINER